

Standard mortality table. Standard mortality table means one of the following tables: the UP-1984 Mortality Table (Unisex); the 1983 Group Annuity Mortality Table (1983 GAM) (Female); the 1983 Group Annuity Mortality Table (1983 GAM) (Male); the 1983 Individual Annuity Mortality Table (1983 IAM) (Female); the 1983 Individual Annuity Mortality Table (1983 IAM) (Male); the 1971 Group Annuity Mortality Table (1971 GAM) (Female); the 1971 Group Annuity Mortality Table (1971 GAM) (Male); the 1971 Individual Annuity Mortality Table (1971 IAM) (Female); or the 1971 Individual Annuity Mortality Table (1971 IAM) (Male). These standard mortality tables are available from the Society of Actuaries, 475 N. Martingale Road, Suite 800, Schaumburg, Illinois 60173. The Commissioner may, in revenue rulings, notices, and other guidance of general applicability, change the definition of standard mortality table. See § 601.601(d)(2)(ii)(b) of this Chapter. The applicable mortality table under section 417(e)(3)(A)(ii)(I) is also a standard mortality table.

Straight life annuity. Straight life annuity means an annuity payable in equal installments for the life of the employee that terminates upon the employee's death.

Testing age. With respect to an employee, testing age means the age determined for the employee under the following rules:

(1) If the plan provides the same uniform normal retirement age for all employees, the employee's testing age is the employee's normal retirement age under the plan.

(2) If a plan provides different uniform normal retirement ages for different employees or different groups of employees, the employee's testing age is the employee's latest normal retirement age under any uniform normal retirement age under the plan, regardless of whether that particular uniform normal retirement age actually applies to the employee under the plan.

(3) If the plan does not provide a uniform normal retirement age, the employee's testing age is 65.

(4) If an employee is beyond the testing age otherwise determined for the employee under paragraphs (1) through

(3) of this definition, the employee's testing age is the employee's current age. The rule in the preceding sentence does not apply in the case of a defined benefit plan that fails to satisfy the requirements of § 1.401(a)(4)-3(f)(3)(i) (permitting certain increases in benefits that commence after normal retirement age to be disregarded).

Testing service. Testing service is defined in § 1.401(a)(4)-3(d)(1)(iv).

Uniform normal retirement age—(1) General rule. Uniform normal retirement age means a single normal retirement age under the plan that does not exceed the maximum age in paragraph (2) of this definition and that is the same for all of the employees in a given group. A group of employees does not fail to have a uniform normal retirement age merely because the plan contains provisions described in paragraphs (3) and (4) of this definition.

(2) *Maximum age.* The maximum age is generally 65. However, if all employees have the same social security retirement age (within the meaning of section 415(b)(8)), the maximum age is the employees' social security retirement age. Thus, for example, a component plan has a uniform normal retirement age of 67 if it defines normal retirement age as social security retirement age and all employees in the component plan have a social security retirement age of 67.

(3) *Stated anniversary date—(i) General rule.* A group of employees does not fail to have a uniform normal retirement age merely because the plan provides that the normal retirement age of all employees in the group is the later of a stated age (not exceeding the maximum age in paragraph (2) of this definition) or a stated anniversary no later than the fifth anniversary of the time each employee commenced participation in the plan. For employees who commenced participation in the plan before the first plan year beginning on or after January 1, 1988, the stated anniversary date may be later than the anniversary described in the preceding sentence if it is no later than the earlier of the tenth anniversary of the date the employee commenced participation in the plan (or such earlier anniversary selected by the employer, if less than 10) or the fifth anniversary of

the first day of the first plan year beginning on or after January 1, 1988.

(ii) *Use of service other than anniversary of commencement of participation.* In lieu of using a stated anniversary date as permitted under paragraph (3)(i) of this definition, a plan may use a stated number of years of service measured on another basis, provided that the determination is made on a basis that satisfies section 411(a)(8) and that the stated number of years of service does not exceed the number of anniversaries permitted under paragraph (3)(i) of this definition. For example, a uniform normal retirement age could be based on the earlier of the fifth anniversary of the commencement of participation and the completion of five years of vesting service.

(4) *Conversion of normal retirement age to normal retirement date.* A group of employees does not fail to have a uniform normal retirement age merely because a defined benefit plan provides for the commencement of normal retirement benefits on different retirement dates for different employees if each employee's normal retirement date is determined on a reasonable basis with reference to an otherwise uniform normal retirement age and the difference between the normal retirement date and the uniform normal retirement age cannot exceed six months for any employee. Thus, for example, benefits under a plan do not fail to commence at a uniform normal retirement age of age 62 for purposes of § 1.401(a)(4)-3(b)(2)(i), merely because the plan's normal retirement date is defined as the last day of the plan year nearest attainment of age 62.

Year of service. Year of service means a year of service as defined in the plan for a specific purpose, including the method of crediting service for that purpose under the plan.

[T.D. 8485, 58 FR 46820, Sept. 3, 1993, as amended by T.D. 8954, 66 FR 34545, June 29, 2001]

§ 1.401(a)(4)-13 Effective dates and fresh-start rules.

(a) *General effective dates*—(1) *In general.* Except as otherwise provided in this section, §§ 1.401(a)(4)-1 through 1.401(a)(4)-13 apply to plan years beginning on or after January 1, 1994.

(2) *Plans of tax-exempt organizations.* In the case of plans maintained by organizations exempt from income taxation under section 501(a), including plans subject to section 403(b)(12)(A)(i) (nonelective plans), §§ 1.401(a)(4)-1 through 1.401(a)(4)-13 apply to plan years beginning on or after January 1, 1996.

(3) *Compliance during transition period.* For plan years beginning before the effective date of these regulations, as set forth in paragraph (a)(1) and (2) of this section, and on or after the first day of the first plan year to which the amendments made to section 410(b) by section 1112(a) of the Tax Reform Act of 1986 (TRA '86) apply, a plan must be operated in accordance with a reasonable, good faith interpretation of section 401(a)(4), taking into account pre-existing guidance and the amendments made by TRA '86 to related provisions of the Code (including, for example, sections 401(l), 401(a)(17), and 410(b)). Whether a plan is operated in accordance with a reasonable, good faith interpretation of section 401(a)(4) will generally be determined on the basis of all the relevant facts and circumstances, including the extent to which an employer has resolved unclear issues in its favor. A plan will be deemed to be operated in accordance with a reasonable, good faith interpretation of section 401(a)(4) if it is operated in accordance with the terms of §§ 1.401(a)(4)-1 through 1.401(a)(4)-13.

(b) *Effective date for governmental plans.* In the case of governmental plans described in section 414(d), including plans subject to section 403(b)(12)(A)(i) (nonelective plans), §§ 1.401(a)(4)-1 through 1.401(a)(4)-13 apply to plan years beginning on or after the later of January 1, 1996, or 90 days after the opening of the first legislative session beginning on or after January 1, 1996, of the governing body with authority to amend the plan, if that body does not meet continuously. Such plans are deemed to satisfy section 401(a)(4) for plan years before that effective date. For purposes of this paragraph (b), the governing body with authority to amend the plan is the legislature, board, commission, council, or other governing body with authority to amend the plan.

(c) *Fresh-start rules for defined benefit plans*—(1) *Introduction.* This paragraph (c) provides rules that must be satisfied in order to use the fresh-start testing options for defined benefit plans in § 1.401(a)(4)-3(b)(6)(vii) and (d)(3)(iii), relating to the safe harbors and the general test, respectively. Those fresh-start options are designed to allow a plan to be tested without regard to benefits accrued before a selected fresh-start date. To the extent provided in paragraph (d) of this section, those options also may be used to disregard certain increases in benefits attributable to compensation increases after a fresh-start date. Although this paragraph (c) generally requires a plan to be amended to freeze employees' accrued benefits as of a fresh-start date and to provide any additional accrued benefits after the fresh-start date solely in accordance with certain specified formulas, certain of these requirements do not apply to a plan that is tested under the general test of § 1.401(a)(4)-3(c). See § 1.401(a)(4)-3(b)(6)(vii) and (d)(3)(iii).

(2) *General rule.* A defined benefit plan satisfies this paragraph (c) if—

(i) Accrued benefits of employees in the fresh-start group are frozen as of the fresh-start date in accordance with paragraph (c)(3) of this section;

(ii) Accrued benefits after the fresh-start date for employees in the fresh-start group are determined under one of the fresh-start formulas in paragraph (c)(4) of this section; and

(iii) Paragraph (c)(5) of this section is satisfied.

(3) *Definition of frozen*—(i) *General rule.* An employee's accrued benefit under a plan is frozen as of the fresh-start date if it is determined as if the employee terminated employment with the employer as of the fresh-start date (or the date the employee actually terminated employment with the employer, if earlier), and without regard to any amendment to the plan adopted after that date, other than amendments recognized as effective as of or before that date under section 401(b) or § 1.401(a)(4)-11(g). The assumption that an employee has terminated employment applies solely for purposes of this paragraph (c)(3). Thus, for example, the fresh start has no effect on the service

taken into account for purposes of determining vesting and eligibility for benefits, rights, and features under the plan.

(ii) *Permitted compensation adjustments.* An employee's accrued benefit under a plan that satisfies paragraph (d) of this section does not fail to be frozen as of the fresh-start date merely because the plan makes the adjustments described in paragraph (d)(7) and (8) of this section with regard to the fresh-start date. In addition, if the frozen accrued benefit of an employee under the plan includes top-heavy minimum benefits, an employee's accrued benefit under a plan does not fail to be frozen as of the fresh-start date merely because the plan increases the frozen accrued benefit of each employee in the fresh-start group solely to the extent necessary to comply with the average compensation requirement of section 416(c)(1)(D)(i).

(iii) *Permitted changes in optional forms.* An employee's accrued benefit under a plan does not fail to be frozen as of the fresh-start date merely because the plan provides a new optional form of benefit with respect to the frozen accrued benefit, if—

(A) The optional form is provided with respect to each employee's entire accrued benefit (i.e., accrued both before and after the fresh-start date);

(B) The plan provided meaningful coverage as of the fresh-start date, as described in paragraph (d)(4) of this section; and

(C) The plan provides meaningful current benefit accruals as described in paragraph (d)(6) of this section.

(iv) *Floor-offset plans.* In the case of a plan that was a floor-offset plan described in § 1.401(a)(4)-8(d) prior to the fresh-start date, an employee's accrued benefit as of the fresh-start date does not fail to be frozen merely because the actuarial equivalent of the account balance in the defined contribution plan that is offset against the defined benefit plan varies as a result of investment return that is different from the assumed interest rate used to determine the actuarial equivalent of the account balance.

(4) *Fresh-start formulas*—(i) *Formula without wear-away.* An employee's accrued benefit under the plan is equal to the sum of—

(A) The employee's frozen accrued benefit; and

(B) The employee's accrued benefit determined under the formula applicable to benefit accruals in the current plan year (current formula) as applied to the employee's years of service after the fresh-start date.

(ii) *Formula with wear-away.* An employee's accrued benefit under the plan is equal to the greater of—

(A) The employee's frozen accrued benefit; or

(B) The employee's accrued benefit determined under the current formula as applied to the employee's total years of service (before and after the fresh-start date) taken into account under the current formula.

(iii) *Formula with extended wear-away.* An employee's accrued benefit under the plan is equal to the greater of—

(A) The amount determined under paragraph (c)(4)(i) of this section; or

(B) The amount determined under paragraph (c)(4)(ii)(B) of this section.

(5) *Rules of application*—(i) *Consistency requirement.* This paragraph (c)(5) is not satisfied unless the fresh-start rules in this paragraph (c) (and paragraph (d) of this section, if applicable) are applied consistently to all employees in the fresh-start group. Thus, for example, the same fresh-start date and fresh-start formula (within the meaning of paragraph (c)(4) of this section) must apply to all employees in the fresh-start group. Similarly, if a plan makes a fresh start for all employees with accrued benefits on the fresh-start date and, for a later plan year, is aggregated for purposes of section 401(a)(4) with another plan that did not make the same fresh start, the aggregated plan must make a new fresh start in order to use the fresh-start rules for that later plan year or any subsequent plan year.

(ii) *Definition of fresh-start group.* Generally, the fresh-start group with respect to a fresh start consists of all employees who have accrued benefits as of the fresh-start date and have at least one hour of service with the employer after that date. However, a

fresh-start group with respect to a fresh start may consist exclusively of all employees who have accrued benefits as of the fresh-start date, have at least one hour of service with the employer after that date, and are—

(A) Section 401(a)(17) employees;

(B) Members of an acquired group of employees (provided the fresh-start date is the date determined under paragraph (c)(5)(iii)(B) of this section); or

(C) Employees with a frozen accrued benefit that is attributable to assets and liabilities transferred to the plan as of a fresh-start date in connection with the transfer (provided the fresh-start date is the date determined under paragraph (c)(5)(iii)(C) of this section) and for whom the current formula is different from the formula used to determine the frozen accrued benefit.

(iii) *Definition of fresh-start date.* Generally, the fresh-start date is the last day of a plan year. However, a plan may use a fresh-start date other than the last day of the plan year if—

(A) The plan satisfied the safe harbor rules of § 1.401(a)(4)-3(b) for the period from the beginning of the plan year through the fresh-start date;

(B) The fresh-start group is an acquired group of employees, and the fresh-start date is the latest date of hire or transfer into an acquired trade or business selected by the employer for any employees to be included in the acquired group of employees; or

(C) The fresh-start group is the group of employees with a frozen accrued benefit that is attributable to assets and liabilities transferred to the plan and the fresh-start date is the date as of which the employees begin accruing benefits under the plan.

(6) *Examples.* The following examples illustrate the rules in this paragraph (c):

Example 1. (a) Employer X maintains a defined benefit plan with a calendar plan year. The plan formula provides an employee with a normal retirement benefit at age 65 of one percent of average annual compensation up to covered compensation multiplied by the employee's years of service for Employer X, plus 1.5 percent of average annual compensation in excess of covered compensation, multiplied by the employee's years of service for Employer X up to 40.

(b) For plan years beginning after 1994, Employer X amends the plan formula to provide a normal retirement benefit of 0.75 percent of average annual compensation up to covered compensation multiplied by the employee's total years of service for Employer X up to 35, plus 1.4 percent of average annual compensation in excess of covered compensation multiplied by the employee's years of service for Employer X up to 35. For plan years after 1994, each employee's accrued benefit is determined under the fresh-start formula in paragraph (c)(4)(iii) of this section (formula with extended wear-away), using December 31, 1994, as the fresh-start date.

(c) As of December 31, 1994, Employee M has 10 years of service for Employer X, has average annual compensation of \$38,000, and has covered compensation of \$30,000. Employee M's accrued benefit as of December 31, 1994, is therefore \$4,200 ((1 percent×\$30,000×10 years)+(1.5 percent×\$8,000×10 years)). As of December 31, 1995, Employee M has 11 years of service for Employer X, has average annual compensation of \$40,000 (determined by taking into account compensation before and after the fresh-start date), and has covered compensation of \$32,000. Employee M's accrued benefit as of December 31, 1995, is \$4,552, the greater of—

(1) \$4,552, the sum of Employee M's accrued benefit frozen as of December 31, 1994, (\$4,200) and the amended formula applied to Employee M's years of service after 1994 ((0.75 percent×\$32,000×1 year)+(1.4 percent×\$8,000×1 year), or \$352); or

(2) \$3,872, the amended formula applied to Employee M's total years of service ((0.75 percent×\$32,000×11 years)+(1.4 percent×\$8,000×11 years)).

Example 2. (a) Employer Y maintains a defined benefit plan, Plan A, that has a calendar plan year. For the 1995 plan year, Plan A satisfies the requirements for a safe harbor plan in § 1.401(a)(4)-3(b). Employer Y selects a date in 1995 for all the employees, freezes the employees' accrued benefits as of that date under the rules of paragraph (c)(3) of this section, and, in accordance with the rules of this paragraph (c), amends Plan A to determine benefits for all employees after that date using the formula with wear-away described in paragraph (c)(4)(ii) of this section. The new benefit formula would satisfy the requirements for a safe harbor plan in § 1.401(a)(4)-3(b) if all accrued benefits were determined under it.

(b) Because Plan A satisfied the requirements for a safe harbor plan for the period from the beginning of the plan year through the selected date, paragraph (c)(5)(iii)(A) of this section permits the selected date to be a fresh-start date, even if it is not the last day of the plan year. Thus, Plan A satisfies the requirements in this paragraph (c) for a fresh start as of the fresh-start date.

(c) Under § 1.401(a)(4)-3(b)(6)(vii), a plan does not fail to satisfy the requirements of § 1.401(a)(4)-3(b), merely because of benefits accrued under a different formula prior to a fresh-start date. Thus, Plan A still satisfies the safe harbor requirements of § 1.401(a)(4)-3(b) after the amendment to the benefit formula. Because Plan A satisfied the requirements for a safe harbor plan for the period from the beginning of the plan year, taking the amendment into account, Employer Y may select any date within the plan year (which may be the same date as the first fresh-start date) and apply the fresh-start rules in this paragraph (c) a second time as of that date.

(d) *Compensation adjustments to frozen accrued benefits—(1) Introduction.* In addition to the fresh-start rules in paragraph (c) of this section, this paragraph (d) sets forth requirements that must be satisfied in order for a plan to disregard increases in benefits accrued as of a fresh-start date that are attributable to increases in employees' compensation after the fresh-start date.

(2) *In general.* In the case of a defined benefit plan that is tested under the safe harbors in § 1.401(a)(4)-3(b) or § 1.401(a)(4)-8(c)(3), an employee's adjusted accrued benefit (determined under the rules in paragraph (d)(8) of this section) may be substituted for the employee's frozen accrued benefit in applying the formulas in paragraph (c)(4) of this section (or paragraph (f)(2) of this section, if applicable) if paragraphs (d)(3) through (d)(7) of this section are satisfied. Thus, for example, in determining whether such a plan satisfies § 1.401(a)(4)-3(b), any compensation adjustments to the employee's frozen accrued benefit described in paragraph (d)(8) of this section are disregarded. Similarly, in the case of a defined benefit plan tested under the general test in § 1.401(a)(4)-3(c), the compensation adjustments described in paragraph (d)(8) of this section may be disregarded under the rules of § 1.401(a)(4)-3(d)(3)(iii) if paragraphs (d)(3) through (d)(7) of this section are satisfied. Of course, any increases in accrued benefits exceeding these adjustments must be taken into account under the general test, and a plan providing such excess increases generally will fail to satisfy the safe harbor requirements of § 1.401(a)(4)-3(b). Where paragraphs (d)(3) through (d)(7) of this section are satisfied with respect to a plan as of

the fresh-start date, but one or more of those paragraphs fail to be satisfied for a later plan year, further compensation adjustments described in paragraph (d)(8) of this section may not be disregarded in testing the plan under § 1.401(a)(4)-3.

(3) *Plan requirements*—(i) *Pre-fresh-start date*. As of the fresh-start date, the plan must have contained a benefit formula under which benefits of each employee in the fresh-start group that are accrued as of the fresh-start date and are attributable to service before the fresh-start date would be affected by the employee's compensation after the fresh-start date. A plan satisfies this requirement, for example, if it based benefits on an employee's highest average pay over a fixed period of years or on an employee's average pay over the employee's entire career with the employer. A plan does not satisfy this paragraph (d)(3)(i) if the Commissioner determines, based on all of the relevant facts and circumstances, that the plan provision described in the first sentence of this paragraph (d)(3) was added primarily in order to provide additional benefits to HCEs that are disregarded under the special testing rules described in this paragraph (d).

(ii) *Post-fresh-start date*. The plan by its terms must provide that the accrued benefits of each employee in the fresh-start group after the fresh-start date be at least equal to the employee's adjusted accrued benefit (i.e., the frozen accrued benefit as of the fresh-start date, adjusted as provided under paragraph (d)(7) of this section, plus the compensation adjustments described in paragraph (d)(8) of this section).

(4) *Meaningful coverage as of fresh-start date*. The plan must have provided meaningful coverage as of the fresh-start date. A plan provided meaningful coverage as of the fresh-start date if the group of employees with accrued benefits under the plan as of the fresh-start date satisfied the minimum coverage requirements of section 410(b) as in effect on that date (determined without regard to section 410(b)(6)(C)). In order to satisfy the requirement in the preceding sentence, an employer may amend the plan to grant past service credit under the formula in effect as of the fresh-start date to NHCEs, if

the amount of past service granted them is reasonably comparable, on average, to the amount of past service HCEs have under the plan. Any benefit increase that results from the grant of past service credit to a NHCE under this paragraph (d)(4) is included in the employee's frozen accrued benefit.

(5) *Meaningful ongoing coverage*—(i) *General rule*. The fresh-start group must have satisfied the minimum coverage requirements of section 410(b) for all plan years from the first plan year beginning after the fresh-start date through the current plan year. Thus, if a fresh-start group fails to satisfy the minimum coverage requirements of section 410(b) for any plan year, this paragraph (d)(5) is not satisfied for that plan year or any subsequent plan year; however, such a failure is not taken into account in determining whether this paragraph (d)(5) is satisfied for any previous plan year.

(ii) *Alternative rules*. Notwithstanding paragraph (d)(5)(i) of this section, a fresh-start group is deemed to satisfy this paragraph (d)(5) for all plan years following the fresh-start date if any one of the following requirements is satisfied:

(A) *Section 410(b) coverage for first five years*. The fresh-start group must have satisfied the minimum coverage requirements of section 410(b) for the first five plan years beginning after the fresh-start date.

(B) *Ratio percentage coverage as of fresh-start date*. The fresh-start group must have satisfied the ratio percentage test of § 1.410(b)-2(b)(2) as of the fresh-start date.

(C) *Fresh start for acquired group of employees*. The fresh-start group must consist of an acquired group of employees that satisfied the minimum coverage requirements of section 410(b) (determined without regard to section 410(b)(6)(C)) as of the fresh-start date.

(D) *Fresh start before applicable effective date*. The fresh-start date with respect to the fresh-start group must have been on or before the effective date applicable to the plan under paragraph (a) or (b) of this section.

(6) *Meaningful current benefit accruals*. The benefit formula and accrual method under the plan that applies to the fresh-start group in the aggregate must

provide benefit accruals in the current plan year (other than increases in benefits accrued as of the fresh-start date) at a rate that is meaningful in comparison to the rate at which benefits accrued for the fresh-start group in plan years beginning before the fresh-start date. Whether this requirement is satisfied with respect to a fresh-start group that does not include all employees in the plan with an hour of service after the fresh-start date may be determined taking into account the rate at which benefits are provided to other employees in the plan.

(7) *Minimum benefit adjustment*—(i) *In general.* In the case of a section 401(l) plan or a plan that imputes disparity under § 1.401(a)(4)-7, the plan must make the minimum benefit adjustment described in paragraph (d)(7)(ii) or (iii) of this section.

(ii) *Excess or offset plans.* In the case of a plan that is a defined benefit excess plan as of the fresh-start date, each employee's frozen accrued benefit is adjusted so that the base benefit percentage is not less than 50 percent of the excess benefit percentage. In the case of a plan that is a PIA offset plan (as defined in paragraph (2)(iii) of the definition of QSUPP in § 1.401(a)(4)-12) as of the fresh-start date, each employee's offset as applied to determine the frozen accrued benefit is adjusted so that it does not exceed 50 percent of the benefit determined without applying the offset.

(iii) *Other plans.* In the case of a plan that is not described in paragraph (d)(7)(ii) of this section, each employee's frozen accrued benefit is adjusted in a manner that is economically equivalent to the adjustment required under that paragraph, taking into account the plan's benefit formula, accrual rate, and relevant employee factors, such as period of service.

(8) *Adjusted accrued benefit*—(i) *General rule.* The term adjusted accrued benefit means an employee's frozen accrued benefit that is adjusted as provided in paragraph (d)(7) of this section and then multiplied by a fraction (not less than one), the numerator of which is the employee's compensation for the current plan year and the denominator of which is the employee's compensation as of the fresh-start date deter-

mined under the same definition. For purposes of this adjustment, the compensation definition must be either the same compensation definition and formula used to determine the frozen accrued benefit or average annual compensation (determined without regard to § 1.401(a)(4)-3(e)(2)(ii)(A) (use of plan year compensation)).

(ii) *Alternative formula for pre-effective-date fresh starts.* In the case of a fresh-start date before the effective date that applies to the plan under paragraph (a) or (b) of this section, the adjusted accrued benefit may be determined by multiplying the frozen accrued benefit by a fraction (not less than one) determined under this paragraph (d)(8)(ii). The numerator of the fraction is the employee's average annual compensation for the current plan year. The denominator of the fraction is the employee's reconstructed average annual compensation as of the fresh-start date. An employee's reconstructed average annual compensation is determined by—

(A) Selecting a single plan year beginning after the fresh-start date but beginning not later than the last day of the first plan year to which these regulations apply under paragraph (a) or (b) of this section;

(B) Determining the employee's average annual compensation for the selected plan year under the same method used to determine the employee's average annual compensation for the current plan year under this paragraph (d)(8)(ii); and

(C) Multiplying the employee's average annual compensation for the selected plan year by a fraction, the numerator of which is the employee's compensation as of the fresh-start date determined under the same compensation definition and formula used to determine the employee's frozen accrued benefit and the denominator of which is the employee's compensation for the selected plan year determined under the compensation definition and formula used to determine the employee's frozen accrued benefit.

(iii) *Effect of section 401(a)(17).* In determining the numerators and the denominators of the fractions described in this paragraph (d)(8), the annual compensation limit under section

401(a)(17) generally applies. See, however, § 1.401(a)(17)-1(e)(4) for special rules applicable to section 401(a)(17) employees.

(iv) *Option to make less than the full permitted adjustment.* A plan may limit the increase in an employee's frozen accrued benefit for the current and all future years to a percentage (not more than 100 percent) of the increase otherwise provided under this paragraph (d)(8). Furthermore, the plan may, at any time, terminate all future adjustments permitted under this paragraph (d).

(v) *Alternative determination of adjusted accrued benefit.* In lieu of applying the fractions in paragraph (d)(8)(i) or (ii) of this section, a plan may determine an employee's adjusted accrued benefit by substituting the employee's compensation for the current plan year (determined under the same compensation formula and underlying definition of compensation used to determine the employee's frozen accrued benefit) in the benefit formula used to determine the frozen accrued benefit. For this purpose, insignificant changes in the underlying definition of compensation to reflect current compensation practices will not be treated as a change in the definition of compensation. A plan may apply the alternative in this paragraph (d)(8)(v), only if it is reasonable to expect as of the fresh-start date that, over time, the use of this method instead of the general rule of paragraph (d)(8)(i) will not discriminate significantly in favor of HCEs.

(9) *Examples.* The following examples illustrate the rules of this paragraph (d).

Example 1. (a) Employer X maintains a defined benefit plan that is an excess plan with a calendar plan year. For plan years before 1989, the plan is integrated with benefits provided under the Social Security Act, providing each employee with a normal retirement benefit equal to one percent of the employee's average annual compensation in excess of the employee's covered compensation, multiplied by the employee's years of service for Employer X. The benefit formula thus provides no benefit with respect to average annual compensation up to covered compensation.

(b) As of December 31, 1988, Employee M has 10 years of service for Employer X and has covered compensation of \$25,000 and average annual compensation of \$20,000. Em-

ployee M's average annual compensation has never exceeded \$20,000. Therefore, as of December 31, 1988, Employee M's accrued benefit under the plan is zero.

(c) Effective with the 1989 plan year, the plan is amended to provide each employee with a normal retirement benefit of 0.6 percent of average annual compensation up to covered compensation plus 1.2 percent of average annual compensation in excess of covered compensation, multiplied by the employee's years of service up to 35. The plan also provides that, for plan years after 1988, each employee's accrued benefit is determined under the formula in paragraph (c)(4)(i) of this section (formula without wear-away) and, in applying the fresh-start formula, each employee's frozen accrued benefit under paragraph (c)(4)(i) of this section will be adjusted under this paragraph (d), using the same compensation definition and formula used to determine the frozen accrued benefit under paragraph (d)(8)(i) of this section.

(d) The plan uses the permitted disparity of section 401(l) and thus must also make the minimum benefit adjustment under paragraph (d)(7) of this section. Because the excess benefit percentage under the plan for years before 1989 was one percent, the plan must provide a base benefit percentage for those years of at least 0.5 percent. After the minimum benefit adjustment, Employee M's accrued benefit as of December 31, 1988, is \$1,000 (0.5 percent \times \$20,000 \times 10 years).

(e) As of December 31, 1992, Employee M has 14 years of service and has covered compensation of \$30,000 and average annual compensation of \$35,000. Employee M's adjusted accrued benefit as of December 31, 1992, is \$1,750 (\$1,000 \times \$35,000/\$20,000), and Employee M's accrued benefit as of December 31, 1992, is \$2,710 (the sum of \$1,750 plus \$960 (0.6 percent \times \$30,000 \times 4 years) plus (1.2 percent \times \$5,000 \times 4 years)).

Example 2. (a) The facts are the same as in *Example 1*, except that in determining adjusted accrued benefits, the plan specifies the alternative method of paragraph (d)(8)(v) of this section. This method may be used because it is reasonable to expect as of the fresh-start date that, over time, the use of this method instead of the general rule of paragraph (d)(8)(i) will not discriminate significantly in favor of HCEs.

(b) As of December 31, 1992, Employee M's adjusted accrued benefit is \$2,000 (10 years of service prior to the fresh-start date \times 0.5 percent of \$30,000 + 1.0 percent of the excess of \$35,000 over \$30,000).

(c) Alternatively, Employer X may choose to use the method of paragraph (d)(8)(v) of this section but freezes the covered compensation level at the dollar level in place as of the fresh-start date. In such case, Employee M's adjusted accrued benefit as of December 31, 1992, would have been \$2,250 (10

years of service prior to the fresh-start date $\times (0.5 \text{ percent of } \$25,000 + 1.0 \text{ percent of the excess of } \$35,000 \text{ over } \$25,000)$). This method may be used because it is reasonable to expect as of the fresh-start date that, over time, the use of this method instead of the general rule of paragraph (d)(8)(i) will not discriminate significantly in favor of HCEs.

Example 3. (a) The facts are the same as in *Example 1*, except that for plan years before 1989, the plan provided a minimum benefit to certain employees equal to \$120 per year of service. Employee M is entitled to the minimum benefit, and thus, Employee M's frozen accrued benefit as of December 31, 1988 was \$1,200 (the greater of 10 years of service \times \$120 and \$1,000, Employee M's benefit under the underlying formula, after the minimum benefit adjustment of paragraph (d)(7) of this section).

(b) Employer X's plan specifies instead the alternative method of adjusting accrued benefits described in paragraph (d)(8)(v) of this section. (The fact that a minimum benefit applying to certain employees is not adjusted under the alternative method of paragraph (d)(8)(v) of this section, but would be adjusted under the general rule of paragraph (d)(8)(i) of this section does not change the conclusion in *Example 2*, that the plan may apply the alternative method).

(e) *Determination of initial theoretical reserve for target benefit plans—(1) General rule.* In the case of a target benefit plan the stated benefit formula under which takes into account service for years in which the plan did not satisfy § 1.401(a)(4)-8(b)(3), as permitted under § 1.401(a)(4)-8(b)(3)(vii), the theoretical reserve as of the determination date for the last plan year beginning before the first day of the first plan year in which the plan satisfies § 1.401(a)(4)-8(b)(3) of an employee who was a participant in the plan on that determination date, is determined as follows:

(i) Determine the actuarial present value, as of that determination date, of the stated benefit that the employee is projected to have at the employee's normal retirement age, using the actuarial assumptions, the provisions of the plan, and the employee's compensation as of that determination date. For an employee whose attained age equals or exceeds the employee's normal retirement age, determine the actuarial present value of the employee's stated benefit at the employee's current age, but using an immediate straight life annuity factor for an employee whose

attained age equals the employee's normal retirement age.

(ii) Calculate the actuarial present value of future required employer contributions (without regard to limitations under section 415 or additional contributions described in § 1.401(a)(4)-8(b)(3)(v)) as of that determination date (i.e., the actuarial present value of the level contributions due for each plan year through the end of the plan year in which the employee attains normal retirement age). This calculation is made assuming that the required contribution in each future year will be equal to the required contribution for the plan year that includes that determination date, and applying the interest rate that was used in determining that required contribution.

(iii) Determine the excess, if any, of the amount determined in paragraph (e)(1)(i) of this section over the amount determined in paragraph (e)(1)(ii) of this section. This excess is the employee's theoretical reserve on that determination date.

(2) *Example.* The following example illustrates the determination of an employee's theoretical reserve.

Example. (a) A target benefit plan was adopted and in effect before September 19, 1991, and satisfied the requirements of Rev. Rul. 76-464, 1976-2 C.B. 115, with respect to all years credited under the stated benefit formula through 1993. The plan provides a stated benefit equal to 40 percent of compensation, payable annually as a straight life annuity beginning at normal retirement age. Normal retirement age under the plan is 65. The stated interest rate under the plan is six percent. The determination date for required contributions under the plan is the last day of the plan year. Employee M is 38 years old on the determination date for the 1993 plan year, has participated in the plan for five years, and has compensation equal to \$60,000 in 1993. The amount of employer contribution to Employee M's account for 1993 was \$2,468.

(b) Under these facts, Employee M's theoretical reserve is equal to \$13,909, calculated as follows:

(1) The actuarial present value of Employee M's stated benefit is calculated using the actuarial assumptions, provisions of the plan and Employee M's compensation as of the determination date for the 1993 plan year. This amount is equal to \$46,512, Employee M's stated benefit of \$24,000 (\$60,000 multiplied by 40 percent), multiplied by 1.938, the actuarial present value factor applicable

to a participant who is 38 years old using a stated interest rate of six percent.

(2) The actuarial present value of future employer contributions is calculated assuming that the required contribution in each future year will be equal to the required contribution for the 1993 plan year and assuming the same interest rate as was used in determining that contribution. This amount is equal to \$32,603, which is equal to the amount of the level annual employer contribution (\$2,468) multiplied by a factor of 13.2105 (the temporary annuity factor for a period of 27 years, assuming the six percent interest rate that was used to determine the required employer contribution).

(3) Employee M's theoretical reserve is \$13,909, the excess of the amount determined in paragraph (b)(1) of this *Example* over the amount determined in paragraph (b)(2) of this *Example*.

(f) *Special fresh-start rules for cash balance plans*—(1) *In general*. In order to satisfy the optional testing method of § 1.401(a)(4)-8(c)(3) after a fresh-start date, a cash balance plan must apply the rules of paragraph (c) of this section as modified under this paragraph (f). Paragraph (f)(2) of this section provides an alternative formula that may be used in addition to the formulas in paragraphs (c)(2) through (c)(4) of this section. Paragraph (f)(3) of this section sets forth certain limitations on use of the formulas in paragraph (c) or (f)(2) of this section.

(2) *Alternative formula*—(i) *In general*. An employee's accrued benefit under the plan is equal to the greater of—

(A) The employee's frozen accrued benefit, or

(B) The employee's accrued benefit determined under the plan's benefit formula applicable to benefit accruals in the current plan year as applied to years of service after the fresh-start date, modified in accordance with paragraph (f)(2)(ii) of this section.

(ii) *Addition of opening hypothetical account*. As of the first day after the fresh-start date, the plan must credit each employee's hypothetical account with an amount equal to the employee's opening hypothetical account (determined under paragraph (f)(2)(iii) of this section), adjusted for interest for the period that begins on the first day after the fresh-start date and that ends at normal retirement age. The interest adjustment in the preceding sentence must be made using the same interest

rate applied to the hypothetical allocation for the first plan year beginning after the fresh-start date.

(iii) *Determination of opening hypothetical account*—(A) *General rule*. An employee's opening hypothetical account equals the actuarial present value of the employee's frozen accrued benefit as of the fresh-start date. For this purpose, if the plan provides for a single sum distribution as of the fresh-start date, the actuarial present value of the employee's frozen accrued benefit as of the fresh-start date equals the amount of a single sum distribution payable under the plan on that date, assuming that the employee terminated employment on the fresh-start date, the employee's accrued benefit was 100-percent vested, and the employee satisfied all eligibility requirements under the plan for the single sum distribution. If the plan does not offer a single sum distribution as of the fresh-start date, the actuarial present value of the employee's frozen accrued benefit as of the fresh-start date must be determined using a standard mortality table and the applicable section 417(e) rates, as defined in § 1.417(e)-1(d).

(B) *Alternative opening hypothetical account*. Alternatively, the employee's opening hypothetical account is the greater of the opening hypothetical account determined under paragraph (f)(2)(ii)(A) of this section and the employee's hypothetical account as of the fresh-start date determined in accordance with § 1.401(a)(4)-8(c)(3)(v)(A) calculated under the plan's benefit formula applicable to benefit accruals in the current plan year as applied to the employee's total years of service through the fresh-start date in a manner that satisfies the past service credit rules of § 1.401(a)(4)-8(c)(3)(viii).

(3) *Limitations on formulas*—(i) *Past service restriction*. If the plan does not satisfy the uniform hypothetical allocation formula requirement of § 1.401(a)(4)-8(c)(3)(iii)(B) as of the fresh-start date, under § 1.401(a)(4)-8(c)(3)(viii) the plan may not provide for past service credits, and thus may not use the formula in paragraph (c)(3) of this section (formula with wear-away), the formula in paragraph (c)(4) of this section (formula with extended